

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Sadiq Layout in Ward No. 6 Byatarayanapura Sub Division

		Estimate Cost Rs.						3000000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	BS Slab Drain Cross Road		2	130.00	0.75	0.75	146.25		
	For Culverts		4	6.50	1.95	1.05	53.24		
							199.49	288.36	57523.00
	Basic Rate	267.00							
	Area Weightage @ 8%	21.36							
	Total	288.36							
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	Sqm							
	Slab Drain Cross Road		2	130	1.65		429.00		
							429.00	663.12	284478.00
	Basic Rate	614.00							
	Area Weightage @ 8%	49.12							
	Total	663.12							
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	Cum							
	For Culverts		4	6.50	1.95	0.15	7.61		
	Concrete Raod Cross Road		1	130.00	4.20	0.15	81.90		
			1	40.00	4.50	0.15	27.00		
			1	48.00	4.20	0.15	30.24		
			1	22.00	4.20	0.15	13.86		
			1	111.00	4.50	0.15	74.93		
							235.53	5070.60	1194278.00
	Basic Rate	4695.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	375.60							
	Total	5070.60							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	For Culverts		4X2	6.50	0.60	0.45	14.04		
							14.04	4135.32	58060.00
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	4135.32							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	Sqm							
	For Culverts		4X2	6.50	0.50	0.45	11.70		
							11.70	4905.36	57393.00
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	4905.36							
6	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	Sqm							
	For Culverts		4	6.50	0.60		15.60		
	For Sides		4X2	6.50	0.23		11.96		
			4X2	1.65	0.23		3.04		
							30.60	270.00	8261.00
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	270.00							
7	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	cum							
	For Culverts		4X2	6.50	0.50	0.10	2.60		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Vent Bed		4	6.50	0.60	0.10	1.56		
							4.16	5491.80	22846.00
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	5491.80							
8	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
			4X2	6.50		0.50	26.00		
	For Culverts						26.00	99.36	2583.00
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	99.36							
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastessire @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
			4	6.50	1.65	0.23	9.87		
	For Culverts						9.87	6198.12	61157.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	6198.12							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	Qtl							
			0.080	9.87			0.79	69805.80	55102.00
	0.80Ton/Cum								

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	69805.80							
11	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16	Cum							
	Cross Road <i>A</i>		1	130.00	4.20	0.10	54.60		
	<i>B</i>		1	40.00	4.50	0.10	18.00		
	<i>C</i>		1	48.00	4.20	0.10	20.16		
	<i>D</i>		1	22.00	4.20	0.10	9.24		
	<i>E</i>		1	111.00	4.50	0.10	49.95		
							151.95	6332.04	962153.00
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	6332.04							
12	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							
	Cross Road		26	4.20			109.20		
			8	4.50			36.00		
			10	4.20			42.00		
			5	4.20			21.00		
			22.2	4.50			99.90		
							308.10	150.12	46252.00
	Basic Rate	139.00							
	Area Weightage @ 8%	11.12							
	Total	150.12							
13	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm							
	Cross Road <i>A</i>		1	130.00	4.20		546.00		
	<i>B</i>		1	40.00	4.50		180.00		
	<i>C</i>		1	48.00	4.20		201.60		
	<i>D</i>		1	22.00	4.20		92.40		
	<i>E</i>		1	111.00	4.50		499.50		
							1519.50	97.20	147695.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				199.49		
	Average Weight of Earth 1.28 Ton/Cum						199.49	62.20	12408.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	67.32							
							Grand Total		2970189.00
15	For 1% Third Party Inspection Charges								29702.00
16	Miscellaneous Charges	L/S							109
								Total	3000000.00

Rupees Thirty Lakh(s) Only

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2015-16
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P limits.

Assistant Engineer

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Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval

Accorded For 30.00 lakhs
Head of A/C P-3075
CER NO : 51 Dt: 14.12.15

TA

CE (YNK),

Technical Sanction

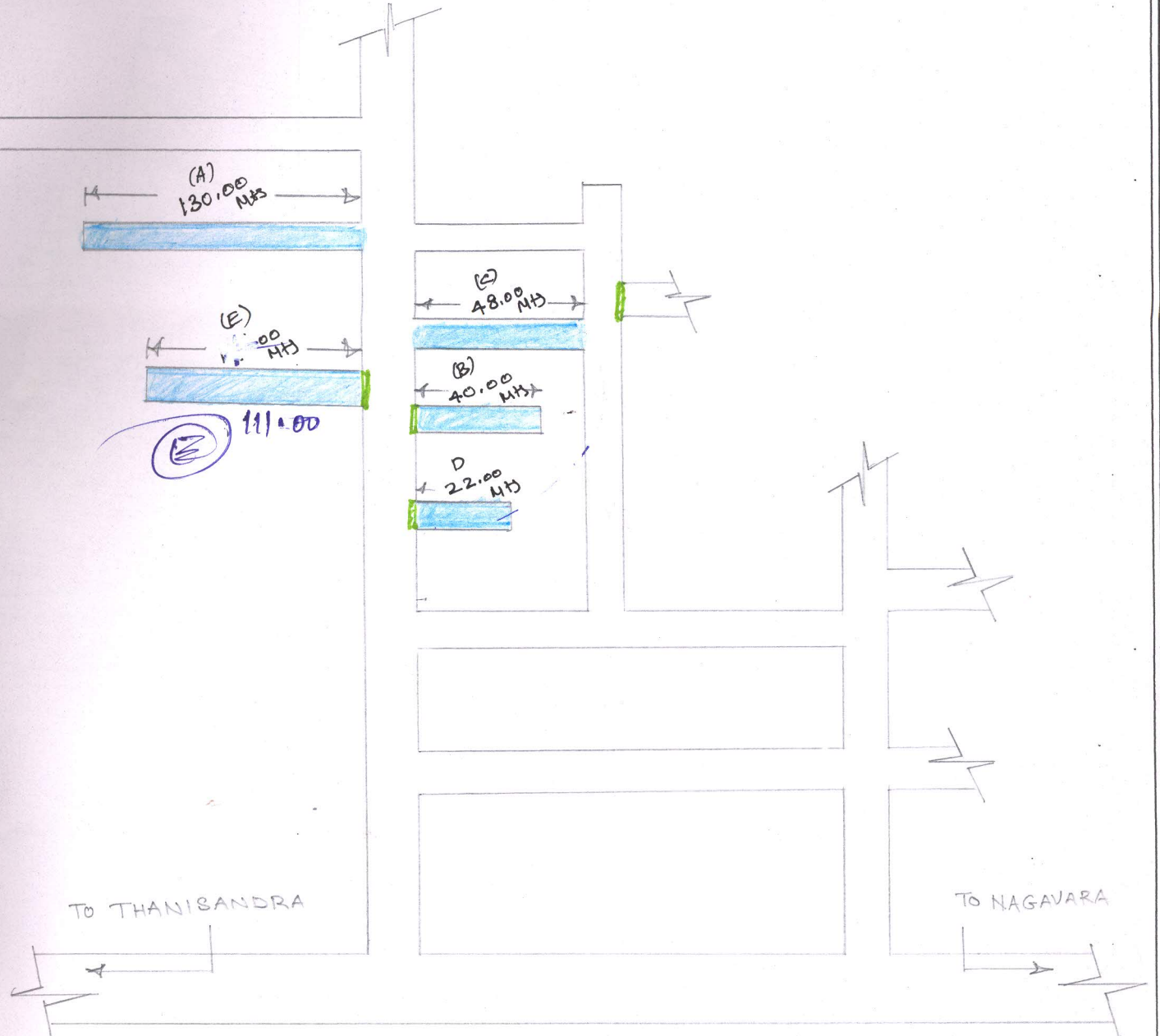
Accorded For 30.00 lakhs
Head of A/C P-3075
CER NO : 15/15-16 Dt: 26.12.15

SuperIntending Engineer
Yelahanka Zone
BBMF, Bangalore

Name of Wrok: Improvements to Roads and Drains at Sadiq
Layout in Ward No. 6 Byatarayanapura Sub Division

20

- PROPOSED CULVERTS,
PROPOSED C.C. ROAD,



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ಬೈಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಮೀ. 30/10
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂಕರು
ಬೈಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24